AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

Claims 1-21 (Cancelled)

22. (Currently amended) A data collection device scan engine image sensor assembly, comprising:

an image sensor that senses a dataform, the image sensor contactinghaving an aperture window and being operative to sense light entering the aperture; and

a prism mounted on the aperture window and adapted to receive light along a first path and to provide at least a portion of the received light to the aperture window along a second path.

Claims 23-24 (Cancelled)

25. (Currently amended) The assembly of claim 22, wherein the prism comprises a first planar face adapted to receive light along the first path, and a second planar face adhered to the aperture window using a low loss transparent adhesive.

26. (Currently amended) A scan engine for use in a data collection device, comprising:

a housing having an opening for receiving light from a scanned dataform;

an image sensor that senses the dataform, the image sensor contactinghaving an aperture window, the image sensor being located within the housing and operative to sense light entering the aperture window; and

a prism mounted onto the aperture window of the image sensor to receive light from the opening along a first path and to provide at least a portion of the received light to the aperture window along a second path.

27. (Previously presented) The scan engine of claim 26, wherein the second path is at an angle with respect to the first path.

28. (Previously presented) The scan engine of claim 26, wherein the second path is perpendicular to the first path.

29. (Currently amended) The scan engine of claim 26, wherein the prism comprises a first planar face generally perpendicular to the first path and a second planar face generally perpendicular to the second path, and wherein the second face is mounted on the aperture window of the image sensor.

30. (Previously presented) The scan engine of claim 26, wherein the first face of the prism is located proximate the opening in the housing.

31. (Previously presented) The scan engine of claim 26, further comprising a lens mounted within the housing along the first path.

Claims 32-33 (Cancelled)

34. (Previously presented) The scan engine of claim 26, further comprising a printed circuit board mounted in the housing.

35. (Previously presented) The scan engine of claim 34, wherein the image sensor is mounted on the printed circuit board.

36. (Previously presented) The scan engine of claim 26, further comprising a window coupled to the opening of the housing, such that the window provides a seal between an interior and an exterior of the housing.

37. (Previously presented) The scan engine of claim 26 being employed in a bar code reader.

38. (Currently amended) A method for producing a data collection device scan engine, comprising:

providing a housing with an opening for receiving light from a scanned dataform;

mounting an image sensor within the housing, the image sensor that senses the dataform and contactinghaving an aperture window, the image sensorand being operative to sense light entering the aperture that is reflected from the dataform; and

mounting a prism onto the aperture window of the image sensor for receiving light from the opening along a first path and providing at least a portion of the received light to the aperture window along a second path.

39. (Currently amended) The method of claim 38, wherein the prism comprises a first planar face generally perpendicular to the first path and a second planar face generally perpendicular to the second path, the second planar face being mounted on the aperture window.

40. (Currently amended) The method of claim 39, wherein mounting the second face on the aperture window includes adhering at least a portion of the second face of the prism to the aperture window using a transparent low loss adhesive.

41. (Previously presented) The method of claim 38, further comprising mounting a printed circuit board to the housing of the scan engine.

42. (Previously presented) The method of claim 38, wherein mounting the image sensor within the housing includes mounting the image sensor to a printed circuit board located in the housing.

43. (Currently amended) A data collection device scan engine image sensor assembly, comprising:

an image sensor that senses a dataform, the image sensor contactinghaving an aperture window and being operative to sense light entering the aperture window; and

a prism mounted on the aperture window of the image sensor and adapted to receive light along a first path and to provide at least a portion of the received light to the aperture window along a second path.

44. (Currently amended) The assembly of claim 43, wherein the prism comprises a first planar face adapted to receive light along the first path, and a second planar face adhered to the aperture window of the image sensor using a low loss transparent adhesive.